Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/29/2017 11:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123132	-2	1.96	122947	1.90
Blue	F	SSC	125000	122187	-3	3.75	122510	3.51
Blue	E	FITC	23355	22503	-4	2.63	1006	9.95
Blue	D	PE	28848	28157	-3	2.26	1011	9.51
Blue	B	PerCP-Cy5-5	47791	47169	-2	3.62	1348	16.31
Blue	A	PE-Cy7	41358	40430	-3	5.15	619	34.21
Red	C	APC	51316	50401	-2	2.88	2897	9.39
Red	A	APC-Cy7	53225	52306	-2	2.96	1080	11.16
Violet	B	V450	14473	13763	-5	3.73	665	9.27
Violet	A	V500	59973	57962	-4	3.54	2581	6.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19371	2.87	603	5	N/A	N/A	Pass
Blue	F	SSC	61063	1.79	536	2	N/A	N/A	Pass
Blue	E	FITC	113	37.93	539	-5	0.0224	174	Pass
Blue	D	PE	221	28.41	534	-4	0.1763	256	Pass
Blue	B	PerCP-Cy5-5	210	43.83	624	-6	0.0112	120	Pass
Blue	A	PE-Cy7	70	114.69	674	-7	0.0131	20	Pass
Red	C	APC	341	27.23	590	-4	0.0209	68	Pass
Red	A	APC-Cy7	117	39.63	569	-7	0.0057	1408	Pass
Violet	B	V450	79	44.33	477	6	0.0400	1771	Pass
Violet	A	V500	186	24.60	508	7	0.0130	607	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.34	-31.65	0.82
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.95	13.27 - 19.91	N/A	N/A	31.76	32.23	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14526

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments